

10/701,194

13. (PREVIOUSLY PRESENTED) A clamp for affixing an electrical component to a plate, the clamp comprising a main body and an integral fixing member;

the main body defining a central axis;

the fixing member comprising of a support protruding from a base of the main body with a disc portion being supported at a remote end of the support;

the support comprising a first curved surface and a second curved surface, with the first and second curved surfaces abutting one another along opposed ridges which define boundaries between the two curved surfaces;

first and second elastically deformable portions extending from the base of the main body, where at least one of the first and second elastically deformable portions has at least one projection at a remote free end thereof, and the first elastically deformable portion extends in a first direction and the second elastically deformable portion extends in a second opposite direction;

wherein at least a portion of the support is coincident with the central axis of the main body and the disc portion defines a disc axis which is offset from the central axis of the main body such that the disc portion is located closer to the first elastically deformable portion than to the second elastically deformable portion.

14. (PREVIOUSLY PRESENTED) The clamp according to claim 13, wherein the main body has a generally c-shaped configuration for supporting the electrical component once the electrical component passes through an opening of the main body.

15. (PREVIOUSLY PRESENTED) The clamp according to claim 14, wherein the disc portion is circular and the first curved surface has the same curvature as the curvature of the disc portion.

16. (PREVIOUSLY PRESENTED) The clamp according to claim 15, wherein a portion of the first curved surface is coincident with the central axis of the main body.

17. (PREVIOUSLY PRESENTED) The clamp according to claim 16, wherein a portion of the second curved surface is coincident with the disc axis of the disc portion.

18. (CURRENTLY AMENDED) The [[claim]] clamp according to claim 17, wherein both the first and second elastically deformable portions have projections at remote ends thereof.

10/701,194

19. (PREVIOUSLY PRESENTED) The clamp according to claim 18, wherein both the first and the second elastically deformable portions are substantially planar curved surfaces and each of the curved surfaces defines an arc.

20. (CURRENTLY AMENDED) The [[claim]] clamp according to claim 18, wherein

in order to attach the clamp to a plate, the first and second elastically deformable portions are elastically deformed, passing the disc portion through a circular attachment hole having an attachment hole axis provided in the plate, once the disc is through the attachment hole the clamp is moved transversely in the first direction to engage one or more projections in one or more corresponding engagement recesses provided in the plate, causing a subsequent reduction of the elastic deformation of the first and second elastically deformable portions; and

in order to detach the clamp from the plate, the clamp is moved relative to the plate in the second direction, causing the first and second elastically deformable portions to elastically deform further as the projection disengage from corresponding engagement recesses provided in the plate, until the disc axis is substantially aligned with the attachment hole axis thereby facilitating removal of the clamp from the plate.

21. (PREVIOUSLY PRESENTED) The clamp according to claim 14, wherein a portion of the first curved surface is coincident with the central axis of the main body.

22. (PREVIOUSLY PRESENTED) The clamp according to claim 14, wherein a portion of the second curved surface is coincident with the disc axis of the disc portion.

23. (PREVIOUSLY PRESENTED) The clamp according to claim 14, wherein both the first and second elastically deformable portions have projections at remote ends thereof.

24. (CURRENTLY AMENDED) The [[claim]] clamp according to claim 14, wherein both the first and the second elastically deformable portions are substantially planar curved surfaces and each of the curved surfaces defines an arc.

25. (PREVIOUSLY PRESENTED) The clamp for affixing an electrical component to a plate, the clamp comprising a main body and an integral fixing member;

the main body defining a central axis;

the fixing member comprising a support protruding from a base of the main body with a disc portion being supported at a remote end of the support;

10/701,194

the support comprises a first curved surface and a second curved surface with the first and second curved surfaces abutting one another along opposed first and second ridges which define boundaries between the two curved surfaces;

first and second elastically deformable portions extending from the base of the main body, at least one of the first and second elastically deformable portions having at least one projection at a remote free end thereof, and the first elastically deformable portion extends in a first direction and the second elastically deformable portion extends in a second opposite direction;

wherein at least a portion of the support is coincident with the central axis of the main body and the disc portion defines a disc axis which is offset from the central axis of the main body such that the disc portion is located closer to the first elastically deformable portion than to the second elastically deformable portion; and

in order to detach the clamp from a plate, the main body is rotated about an axis orthogonal to the surface of the plate, where one of the first or second ridge boundaries is coincident to the axis of rotation, and where the first and second elastically deformable portions are further elastically deformed due to the at least one projection on the remote free end leaving a corresponding engagement recess provided in the plate and moving in sliding contact across the surface of the plate, until the clamp is rotated to such a degree that the first or second curved surface is substantially flush with an inner wall of an access hole, facilitating removal of the clamp along the axis of rotation.

26. (PREVIOUSLY PRESENTED) The clamp according to claim 25, wherein the main body has a generally C-shaped configuration for supporting the electrical component once the electrical component passes through an opening of the main body.

27. (PREVIOUSLY PRESENTED) The clamp according to claim 26, wherein the disc portion is circular and the first curved surface has the same curvature as a curvature of the disc portion.

28. (PREVIOUSLY PRESENTED) The clamp according to claim 27, wherein a portion of the first curved surface is coincident with the central axis of the main body.

29. (PREVIOUSLY PRESENTED) The clamp according to claim 28, wherein a portion of the second curved surface is coincident with the disc axis of the disc portion.

12/14/04 - 10:00 AM

10/701,194

30. (PREVIOUSLY PRESENTED) The clamp according to claim 25, wherein a portion of the first curved surface is coincident with the central axis of the main body.

31. (PREVIOUSLY PRESENTED) The clamp according to claim 25, wherein a portion of the second curved surface is coincident with the disc axis or the disc portion.

32. (PREVIOUSLY PRESENTED) A clamp for affixing an electrical component to a plate, the clamp comprising a main body and an integral fixing member;

the main body defining a central axis;

the fixing member comprising of a support protruding from a base of the main body with a disc portion being supported at a remote end of the support;

the support comprising a first curved surface and a second curved surface, with the first and second curved surfaces abutting one another along opposed ridges which define boundaries between the two curved surfaces;

wherein the disc portion is circular and defines a disc axis;

the first and second curved surfaces have a same curvature as a curvature of the disc portion;

a portion of the first curved surface is coincidental to the central axis;

a portion of the second curved surface is coincidental to the disc axis of the disc portion;

a first and second elastically deformable portions extending from the base of the main body, at least one of the first and second elastically deformable portions having at least one projection at a remote free end thereof, and the first elastically deformable portion extends in a first direction and the second elastically deformable portion extends in a second opposite direction.